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Anekant Education Society's

# TULJARAM CHATURCHAND COLLEGE

of Arts, Science and Commerce, Baramati - 413102.

Dist. Pune. Maharashtra, India.

Empowered Autonomous Status

Religious Minority Institute

NAAC Reaccredited 'A+' Grade, CGPA 3.55

NAAC-SSR

Cycle IV

2019 - 2024

## Criterion I : Curricular Aspects

1.3.3

Q<sub>n</sub>M

Percentage of programmes that have components of field projects / research projects / internship during the last five years.

## SYLLABUS FOR RESEARCH PROJECT, FIELD PROJECT AND INTERNSHIP



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## Choice Based Credit System Syllabus (2019 Pattern)

### T.Y.B.A., Syllabus for Project at Semester VI

**Class** : T.Y.B.A.

**Course** : Project

**Course Code** : PR-2

**No. of Credits** : 2

#### **Content:**

#### **Project Work Guidelines: -**

1. The students shall declare the option of project work at the beginning of the 5<sup>th</sup> semester.
2. A teacher in a department is eligible to guide the students.
3. Project Work Report should be done by each student separately or in group of not more than 3, under the guidance of the teacher.
4. Topics might be in the view of regional issues.

#### **Write up: General Guide Lines: -**

1. The Project Work Report should cover the following aspects.
  - a. Introduction to the problem.
  - b. Aims and objectives of the study.
  - c. Methodology
  - d. Analysis, description and interpretation.
  - e. Results
  - f. Conclusions
  - g. References
2. Every table, figure, photograph should have a caption and with references.
3. The list of references should be given at the end and all the references should be complete in all respects (author(s)) name, year, title of the article or book, name of the journal, name of the publisher of the book and place of publication, volume of journal and page numbers).
4. The total number of pages should be minimum 25, including text, figures, tables, photographs, references and appendices.
5. At the time of viva-voce presentation may be given with the help of equipment which are available in the respective department.

Project work will be assessed at department level for 50 marks.

Project work will be assessed by internal and external examiners.



## **M.A. Psychology (2022 Pattern)**

**Class: M.A.-II (Semester – IV)**

**Course Code: PAPS244**

**Title of the Course: Practicum: Case Studies**

**Credit: 04**

**No. of Lectures: 60**

### **Content:**

Students should select at least 7 types of maladapted cases in consultation with the teacher, and prepare detailed report of 5 cases. Students should present at least two cases. The following

#### **stages should be followed (wherever applicable):**

- a. Taking of case history.
- b. Assessment and multi-axial diagnosis.
- c. Validation in consultation with teachers.
- d. Prognosis.
- e. News breaking.
- f. Contracting of therapy sessions.
- g. Writing session report of each case.
- h. Presentation of 2 cases in classroom

### **GENERAL:**

1. Each batch of practicum should consist of maximum 8 students.
2. A separate batch will be formed if this number exceeds even by one.
3. Workload for each batch will be equivalent to 8 lecture periods.
4. Each student should study clinical cases in hospital / clinic / correctional institution / NGO set up; one teacher supervisor should accompany a group of students.
5. Eligibility for the Practicum Examination is subject to Certification of Practicum by teacher-in-charge and HoD.

### **PRACTICUM ASSESSMENT (100MARKS)**

**a) Continuous (Internal) Assessment and Distribution of Marks (40 Marks).**



1. Presentation of one case report and viva (latest by five weeks from the commencement of the semester)-10 marks.
2. Hypothetical case (one) analysis-10 marks.
3. Presentation of another case and viva (latest by ten weeks from the commencement of the semester)-10 marks.
4. Overall performance (e.g. regularity, sincerity, quality of work etc.) and variety of disorders. - 10 marks

**b. Semester-End Examination (SEE)-60 Marks.**

1. External Examination will be conducted by two examiners, one internal and one external, appointed by 32 (5) (a) Committee of Pune University.
2. Each batch will consist of only 8 students
3. Duration of examination for each batch will be 4 hours.
4. Hypothetical problems will be prepared by External Examiner.
5. Marks for Viva and Exercise Report will be given by both examiners and average marks will be considered as final marks of the candidate.
6. There will be no presentation of cases before the external examiner.
7. Assessment of analyses of hypothetical case analyses will be done by External Examiner only.
8. Remuneration for External Examination will be equally divided between the two examiners.

**Break –up of 60marks for external examination will be as follows;**

1. Analysis of 2 hypothetical problems and its reports (20 marks, i.e.10 marks each)-1 ½ hours.
2. Viva -20 marks
3. Practicum reports-20 marks



## **PG First Year Students (Semester II)**

### **Under NEP 2020 (2023 Pattern)**

### **Guidelines for Field Project (FP)**

#### **Content:**

In NEP 2020 (2023 Pattern) we are offering to PG (First Year-second Semester) students Field Project (FP) / On Job Training (OJT) for FOUR (4) credits i.e. 100 Marks. Students can choose either FP or OJT. The total time allocation for the student to carry out field project is 120 hours. The actual field work should be carried out after college hours or on holidays or during summer vacation.

#### **To carry out the field project work following guidelines should be used:**

1. Field-based learning: Students should participate in field-based learning/projects under the supervision of faculty.
2. A minimum of 30 hours of learning per credit in a semester is required.
3. Assignment of project topics to individual student or groups of students (2 or 3 students in one group/ Commerce faculty can have 5 students per group) and one faculty member from the department will act as GUIDE for the student or group of students.
4. Preparation of a questionnaire (20 -30 questions or more) (in Marathi or English) related to their project topic. If the project is related to work that does not involve SURVEY work, then the questionnaire part can be replaced accordingly (e.g. Sample collection/Data collection).
5. The departmental coordinator/guide should check the questions and finalize the questionnaire. The question that may create unnecessary complications should be avoided. The questions should be qualitative as well as quantitative.
6. Students should go to their chosen field with the questionnaire and collect the information regarding the questions asked to the concerned people or collect samples/data. Collect as much information/samples/Data as possible by collecting 25 or more questionnaires / samples / related data. The more the data, the better it will be for analysis.
7. The student should compile all the relevant data and carry out its analysis.
8. Write a project report in the standard format (2 Copies): Index, Chapter-1, Chapter-2, .... Conclusion, References etc. The report should mention the clear OUTPUT drawn from the study. The typed project report should have minimum 25 pages (excluding Title, Certificate, Index, Acknowledgement etc. pages) in Times New Roman with font size 12 and line spacing of 1.5.
9. Submit the project report with the Guide's signature to the department (To the Departmental FP coordinator).
10. The Oral presentation for all the projects in the department should be arranged in the department. To evaluate the project, TWO examiners should be appointed by HoD (The details about appointment of examiners, weightage to internal and external marks etc. will be provided by



examination section).

11. The total project work including preparation of questionnaire to oral presentation should be evaluated for 4 credits (100 Marks). The details about the allocation of time, marks and scheme of examination for field project is given in Table. The departmental FP coordinator/PG coordinator/HoD should submit the marks as per regular procedure to the examination section.

12. Since it is a compulsory subject in our syllabus, passing students in this field project is MUST to complete their degree.

**Typical Time and marks allocation for the different stages of the field project is:**

<b>Step of Project</b>	<b>Individual students work in hours</b>	<b>Marks</b>
Topic Selection	5	5
Study Design and Survey preparation	30	20
Fieldwork	40	25
Analysis	20	10
Report writing	25	20
Oral Presentation		20
<b>Total</b>	<b>120</b>	<b>100</b>



**PG First Year Students (Semester II)  
Under NEP 2020 (2023 Pattern)  
Guidelines for On Job Training (OJT)**

**Content:**

The National Education Policy 2020 emphasize Practical Assignments and Skill Development to the students across institutes of higher learning in various streams. In view of this, Tuljaram Chaturchand College, Baramati has come up with a concept to provide Field Project/On-Job Training Program to all students studying in all PG programs in semester II.

The On-Job Training Program will provide valuable work experience to the students, help them explore a career path and develop and refine skills that will eventually give themselves an edge in the job market.

**Nature of On-Job Training Program:**

A student has to undergo 120 hours of practical training in suitable establishments in consultation with the concerned teacher.

**Salient features of On-Job Training Program:**

1. The fundamental framework of On-Job Training Program is as below:
2. The on-job training is of four credits and hundred (100) marks.
3. On-Job Training will be of one hundred and twenty (120) clock hours.
4. A student has to complete on-job training in the related subject that he / she has opted in PG.
5. The On-Job Training Program has to be completed in the vacation between semester II and III.
6. In case of backlog, he/ she can complete the On-Job Training Program prior to appearing for the semester IV examination.
7. Successful completion of the On-Job Training Program is mandatory, in case a student could not complete the Field Project/ On-Job Training as per prescribed standards, he/ she has to undergo the Program again in different establishment.
8. A student is entitled to a 'Completion Certificate' after successful completion of the On Job Training Program.
9. The On-Job Training provider establishment may select the student for regular employment depending on the skill set and nature of performance exhibited by the student.
10. A student is solely responsible for his behaviour in the business establishment during the on-job training program.

**Framework of the On-Job Training:**

1. The area in which a student has to undergo On-Job Training Program will be finalized by the concerned teacher in consultation with the On-Job Training Program providing organization.
2. This will help a student to have hands - on experience of the important aspects of the Discipline Specific Special Subject chosen by him / her.
3. The contents of the On-Job Training Program should be adequate and a students should be able to understand various concepts and put it into practice within a time frame of 120 hours.
4. On-Job Training Program is of 120 hours net.

**Evaluation and credits:**

The process of evaluation of On-Job Training Program is structured as below.

The student will prepare a plan for proposed On-Job Training Program. The plan may contain following aspects: -

Sr. No.	Particulars
1	Name of the organization where the On-Job Training is proposed to be carried out.





2	Details of the organization
3	The area in which he/she is planning to undergo On-Job Training.
4	Details of the various subject specific concepts learnt by the student before joining the On-Job Training.
5	Allocation of 120 hours of On-Job Training Program.
6	List of the skills that he/she is planning to acquire during On-Job Training Program.
7	A brief note on how the On-Job Training Program may benefit him/her to develop better skills in his / her subject.
8	Details of the primary discussion that the student had with any officer/ authority of the On-Job Training Program providing organization about the proposed work.
9	Proposed outcomes of the On-Job Training Program.

**Evaluation:**

Particulars	Marks
Duration of Training	30
Practical skills	20
Professional Conduct	10
Report based on Training	20
Knowledge assessments through oral presentation	20
TOTAL	100



## Choice Based Credit System Syllabus

S.Y.B.A./B.Com./B.Sc.,

**Class** : S.Y.B.A./B.Com./B.Sc.,  
**Course** : Environment Education  
**Course Code** : ENV EDU  
**No. of Credits** : 4

### Content:

#### UNIT IX: Case studies and Field work

6 Hrs

Discussion on one national and one international case study related to the environment and sustainable development.

Field Visits to identify local/regional environmental issues, make observations including data collection and prepare a brief report.

Documentation of campus biodiversity.

Campus environmental activities such as solid waste disposal, water management and sewage treatment.



**Name of the Programme: M.Lib.I.Sc. Library and Information Science**

**Programme Code: PALIS**

**Class: M.Lib.I.Sc.**

**Semester: II**

**Course Type: Major Mandatory (Theory)**

**Course Code: LIS -581- OJT/ FP**

**Course Title: Project Work**

**No. of Credits: 04**

**No. of Lectures: 60**

Course Objective:

1. To develop skills using research methods, techniques and tools
2. To develop skills data analysis and interpretation process.
3. To introduce the students with various research methods.

Course Outcome:

By the end of the course, students will be able to:

CO1.To make students acquainted with research process.

CO2.The students understanding the research databases.

CO3. How to writing research proposal.

CO4. Perform a research project according to an individual study plan

CO5. show independence, critical and creative thinking.

CO6. document results by writing a research report,

CO7. present and discuss the research results with colleagues and senior researchers

**Total No of Credits = 04**

The Project report shall be on an approved topic pertaining to Library and Information Science. Each student shall work under the supervision and guidance of a teacher for his / her Project report



### **Choice Based Credit System Syllabus (2019 pattern)**

**Class: T. Y. B. Voc. (SEM – VI)**

**Subject: Dairy Technology**

**Course: In-plant training (Pr)**

**Course Code: BDT- 6.3**

#### **Objective**

Students should undergo a project work for a period of 90 days, during the Six Semester. The programme is arranged by the Department of Food Technology and Research in consultation with the Dairy/Food industries. The purpose of the programme is to get hands-on experience on various aspects of Dairy/Food industries that form the strong foundation for the young Dairy/Food technologists. The department will allot students to the industry, in consultation with the industry concerned. Student should report for the programme on the stipulated date. On completion, each student should prepare a project report duly certified by the supervisor in the industry. Consequently, a seminar should be conducted in the department to present the finding of the project work. The Bonafede project report attested by the head of the department will be evaluated by the external and internal examiner and a viva voce will be conducted.



**Title of the Course: B. Voc. (Food Processing & Post Harvest Technology)**  
**(To be implemented from Academic Year - 2019-2020)**

**Third Year (Semester V)**

**Project**

**Paper No. FP-5.3**

**Maximum Marks: 150**

**Credits: 6**

**Teaching Period: 2/week**

**Teaching Load: 30 Practical/Semester (4 Period each)**

**Content:**

Group of four students shall undertake project work related to design and development of innovative food product, its quality evaluation, packaging, labelling and shelf-life testing under the supervision of a faculty member. In principle, the research /design work has to be carried out by the student himself taking advice from his supervisor when problem arises. The work will be allotted at the beginning of the fifth semester specifying the different aspects to be carried out by the student. At the end of the semester the student will submit an interim report on his/her work in typed form. Evaluation shall include oral presentation.



**Title of the Course: B. Voc. (Food Processing & Post Harvest Technology)**  
**(To be implemented from Academic Year - 2019-2020)**

**Third Year (Semester VI)**

**Internship**

**Paper No. FP-6.3**

**Maximum Marks: 150**

**Credits: 6**

**Teaching Period: 2/week**

**Teaching Load: 30 Practical/Semester (4 Period each)**

**Content:**

Students should undergo a project work for a period of 60 days, during course of three year. The programme is arranged by the Department of Food Processing and Post-Harvest Technology in consultation with the food industries. The purpose of the programme is to get hands-on experience on various aspects of food industries that forms the strong foundation for the young food technologists. The department will allot students to the industry, in consultation with the industry concerned. Student should report for the programme on the stipulated date. He/ she shall complete this period of 60 days In-plant training in either summer or winter vacation. On completion, each student should prepare a project report duly certified by the supervisor in the industry. Consequently, a seminar should be conducted in the department to present the finding of the project work. The bonafide project report attested by the head of the department will be evaluated by the external examiner and a viva voce will be conducted.



## **Food Processing Technology (M. Voc. Programme)**

**Second Year Semester IV**

**Dissertation Part-II**

**Practical Paper No. – FPT-4.3**

**Maximum Marks: 600**

**Credits: 18**

**Teaching Period: 24/week**

**Teaching Load: 120 Practicals Period/ Semester (4 Period each)**

### **Content:**

The dissertation part-II will be in continuation of dissertation part-I and shall consist of a report on the research work done by the candidate or a detailed report of the project work consisting of a design and /or development work that the candidate has executed. The examinee shall submit the dissertation in five copies to the head of the department duly certified by the guide, head of department and the principal that the work has been satisfactorily completed. If candidates performed work in other institute, they have to submit separate copies of dissertation

as per the requirement to the institute. If the company will provide in plant training to the candidates then they have to submit monthly progress report along with attendance report to the department duly signed by the Factory manager/HR manager.

**Term work:**

The dissertation will be assessed by examination panel with two with minimum two examiners (External Examiners and senior faculty member from the department).

**Viva-Voce:**

It shall consist of a PPT presentation by the examinee on his work in the presence of examination panels.



## **B. Voc. Journalism and Mass Communication**

**Third Year Semester VI**

**Research**

**Paper No. JM 605**

**Maximum Marks: 250**

**Credits: 10**

### **Content**

In this semester students take up a group research project worth 10 credits. Every group should consist of 4-5 students. These students will be equally responsible for their research project. After approval from the guide and the committee, students are expected to work on the topic thoroughly and submit the dissertation within the given deadline.

Continuous internal assessment for research based up the maintaining research diary, Research idea presentation, and final research project presentation. A typed dissertation must be submitted by the end of the semester. The typed dissertation evaluated by the research guide and External Examiner. Viva-voce based on dissertation has to be conducted by the External Examiner and the research guide. They will award marks for the viva-voce.

OR

### **IN-DEPTH REPORTING PROJECT (Group)**

Group of 4-5 students must work on a series of 5 in-depth reports (of around 1500-2000 words each) under the supervision of a faculty member. The topic chosen for the project should be of considerable social significance and current relevance. Each report out of the five should focus on a different aspect of the topic. Students may use photographs and graphics with their reports. They are expected to indicate all types of reference sources (primary and secondary) in the reports. The reports will be evaluated by the guide and External Examiner. Viva-voce based on the project has to be conducted by the External Examiner, in the presence of the project guide.

Continuous internal assessment for research based up the maintaining IDR diary, IDR idea presentation, and final project presentation.





## **B. Voc. Journalism and Mass Communication**

**Third Year Semester VI**

**Internship**

**Paper No. JM 606**

**Maximum Marks: 250**

**Credits: 10**

**Content:**

**Internship must be evaluated for 2 credits.**

**Norms of internship are as follows:**

- **It should be done before the end of Sem. VI in any Media organizations for minimum 45 days. Students may work in two different types of organizations min. 30 days each.**
- **After the internship students have to submit a detailed report describing work done, and what was learnt. They have to attach proofs of work done, and evaluation report duly signed by relevant authority in the respective organization.**
- **Norms of evaluation for 50marks: Evaluation by the authority: 20, Volume and quality of work: 20, Quality of report: 10**



**Title of the Course: M. Voc. Media Studies  
(To be implemented from Academic Year - 2023-2024)**

**Second Year Sem-IV Digital Journalism  
Industrial Internship Skill Component  
Paper No- PMMS 241B  
Maximum Marks 250  
Credits: 10**

**Internship has to be evaluated for 10 credits:**

**● Compulsory Post Internship Presentation/ Report**

(Details expected in the post internship presentation:

- 1.1 Name of the Organization where the Internship was carried out.
- 2.1 Contents of what was proposed to be learnt during internship.
- 3.1 Allocation of 45 days Internship Programme.
- 4.1 Name and Designation of Supervising authority.
- 5.1 Work Profile assigned for the Internship Programme.
- 6.1 Skills acquired.
- 7.1 Skills required in completing the given task which was not taught in the syllabus.
- 8.1 Problems encountered and problems solved while Interning
- 9.1 Contribution of students towards better functioning of the organization.

**● Internship Diary/ Log Sheet**

- 1.1 45 Days compulsory Internship Diary.
- 2.1 Each day has to be mentioned with a date.
- 3.1 Details of work allotted and done have to be mentioned every day.
- 4.1 Working hours are also to be mentioned.

**● Internship Programme Certificate**

- 1.1 Internship certificate given from the respective organization of completed Internship Days.

**● Feedback Form**

- 1.1 Feedback from duly signed and stamped by the internship provider from the Organization.



**Title of the Course: M. Voc. Media Studies**  
**(To be implemented from Academic Year - 2023-2024)**

**Second Year Semester IV**  
**Research Project/In-depth Reporting Skill Component**  
**Paper No: PMMS 243B**  
**Maximum Marks: 350**  
**Credits: 14**  
**Teaching Period: 2/week**

**Content**

**Research Project**

In this semester student will be assigned to an individual research project worth 10 credits. After approval from the guide and the committee, students are expected to work on the topic thoroughly and submit the dissertation within the given deadline. Continuous internal assessment for research based up the maintaining research diary, Research idea presentation, and final research project presentation. A written dissertation must be submitted by the end of the semester. The written dissertation evaluated by the research guide and External Examiner. Viva-voce based on dissertation has to be conducted by the External Examiner and the research guide. They will award marks for the viva-voce.

**OR**

**In-depth Reporting Project**

Every student must work on a series of 5 in-depth reports (of around 1500-2000 words each) under the supervision of a faculty member. The topic chosen for the project should be of considerable social significance and current relevance. Each report out of the five should focus on a different aspect of the topic. Students may use photographs and graphics with their reports. They are expected to indicate all types of reference sources (primary and secondary) in the reports. The reports will be evaluated by the guide and External Examiner. Viva-voce based on the project has to be conducted by the External Examiner, in the presence of the project guide. Continuous internal assessment for research based up the maintaining IDR diary, IDR idea presentation, and final project presentation.



**SYLLABUS (CBCS) FOR T. Y. B. Voc. RETAIL MANAGEMENT**  
**(w. e. f. from June, 2021)**  
**Academic Year 2021-2022**

**Third Year Semester-V**

**Internship**

**Class: T.Y. B. B.Voc (RM) SEM-V**

**Paper Code: RM1504**

**Paper: IV**

**Title of Paper: Internship**

**Credit: 6**

**No. of lectures: 90**

**RM1504/ INTERNSHIP (90 Hours) TOPICS/ CONTENTS:**

1.1 The students are expected to work for 30 days\*8 Hours a day= 240 hours in aggregate in retail industry and prepare a report about their day-to-day learning's and submit the same with necessary authorization from industry mentor.

1.2 The students will be issued a letter from department regarding internship once a institution is decided. The students are expected to learn on the job about: a. Concept of Planning and its use in business b. Projects and its management, project audit c. Working in team and organization.



## B. VOC IN E-COMMERCE & DIGITAL MARKETING

### PROJECT REPORT ON WEB DEVELOPMENT

[COURSE CODE -: ECDM605]

Duration: 03 hrs.

Marks: 150

Credits: Practical 16

#### Project Work Completion Sheet

The project will be done in following environment:

Operating System: Windows, Linux, Macintosh

Programming Language used: PHP-CSS / Wordpress framework

Database: PostgreSQL, MySQL, SQL Server

Marks will be given as follows: Internal Evaluation

Sr. No	Task
1	Gathering Data Requirements and Functional Requirement
2	Designing the normalized Database
3	UML Diagrams
4	I/O screens
5	Coding
6	Viva
7	Final Demo Contents of Projects

Marks will be given as follows: External Evaluation

Sr. No	Task
1	Viva
2	Presentation
3	Communication Skills
4	Project Documentation
5	Project Demo



**SYLLABUS FOR T.Y.B.B.A. (w. e. from June, 2021)  
Academic Year 2021-2022**

**Class: T.Y.B.B.A.(Semester-VI)**

**Paper Code: BBA3607**

**Paper: 7**

**Title of Paper: Internship Project**

**Credit: 3 No. of Lectures: 48**

**Course Duration: 1Month**

**About Course:** The TYBBA students' internship project allows them to apply their specialized knowledge and skills to a real-world setting. Each student focuses on a specific area of specialization, such as marketing, finance, or human resources, and undertakes a project related to their chosen field. Through this internship, they gain practical experience and develop a deeper understanding of their specialization, preparing them for future professional opportunities. The projects not only provide valuable insights and solutions to the organization but also allow the students to showcase their abilities and make a meaningful impact in their respective fields.

**Guidelines**

1. **Duration:** The design internship for TYBBA students should ideally be for a minimum of 1 months to ensure a significant learning and work experience.
2. **Internship Provider:** Students should choose a reputable design company or organization to intern with. It is essential to pick a provider that aligns with the student's interests and goals.
3. **Learning Objectives:** Before starting the internship, the student and the internship provider should mutually agree upon the learning objectives and goals for the internship period. These objectives can be related to specific design skills, project management, communication, teamwork, or any other relevant areas.
4. **Work Schedule:** Students should agree upon a work schedule with the internship provider, ensuring that it is suitable for both parties. This schedule can be part-time or full-time, depending on the student's availability and the organization's requirements.
5. **Internship Responsibilities:** The student should have a clear understanding of their responsibilities and tasks during the internship. These can include assisting senior designers in design projects, conducting research, creating design prototypes, or any other design-related tasks.
6. **Supervision and Mentorship:** The internship provider should assign a supervisor or mentor to guide and support the student throughout the internship. The supervisor should provide regular feedback and mentoring sessions to help the student improve their skills and grow professionally.
7. **Regular Check-Ins:** The student and the internship provider should schedule regular check-in meetings to discuss progress, address any challenges, and provide feedback. These meetings can be weekly or bi-weekly, depending on the internship duration.
8. **Portfolio Development:** The student should focus on building their design portfolio during the internship. The internship provider can assign relevant projects and tasks that can be added to the student's portfolio, showcasing their skills and achievements.
9. **Documentation and Reporting:** The student should maintain a journal or diary to document their daily activities, learnings, and experiences during the internship. This documentation can be used for the final internship report or as reference material in the future.
10. **Evaluation and Final Report:** At the end of the internship, the student should submit a final report summarizing their internship experience, learnings, and achievements. The internship provider should evaluate the student based on their performance and provide feedback for the student's future growth.



11. Certification: Upon successful completion of the internship, the student should receive a certificate from the internship provider validating their internship experience.

12. It is essential for TYBBA students to make the most of their design internships by actively participating, seeking learning opportunities, and building professional connections. These guidelines aim to ensure a fruitful and enriching internship experience for students.

**Examination or Evaluation pattern:**

**Exam Pattern: Project Examination.**

**Marks : 100 marks**

**50 Marks: - Internship**

**30 Marks: - Project Report**

**20 Marks: - Viva**



**SYLLABUS (CBCS) FOR T.Y.BBA (C.A.)**  
**(w. e. from June, 2021)**  
**Academic Year 2021-2022**

**Class: T.Y.BBA (C.A.) (Semester - VI)**

**Paper Code: BCA3605**

**Title of Paper: Project**

**Credit: 3**

**No. of. Lectures: 48**

**A] Course Objectives:**

1. To introduced project planning.
2. To examine the stages of project planning: Scoping, Estimation, analysis and designing.
3. To focus on the tools available to a project planner.
4. To discuss project planning and the planning process.
5. To meet all project goals successfully.

**B] Learning Outcomes: Student should be able to:**

CO1. Learn project management.

CO2. Become systems thinkers.

CO3. Become explorers.

CO4. Become problem-solvers.

CO5. More engaged in the learning process.

CO6. Learn to take creative risks.

CO7. Students are provided to work on multidisciplinary Problems.

CO8 Students should be able to design and construct a hardware and software system, component, or process to meet desired needs.

**Evaluation:**

<b>External Evaluation</b>	<b>Marks</b>
Project Report	30
Power Point Presentation	10
Viva	20
Project Logic	20
Project Demonstrations	20
Total	100





**B. Sc. Degree Program in Botany  
(Faculty of Science and Technology) CBCS Syllabus**

**Class: T. Y. B. Sc.**

**Practical-III (Sem. – VI)**

**Paper Code: 3609**

**Paper: Practical-III**

**Title of Paper: Project Work**

**Credit: 2**

**A) Learning Objectives:**

1. To give information of research work
2. To create awareness about innovative methods.
3. To find out new conclusions through research

**B) Course Outcome:**

- CO1. Information acquired about research work.
- CO2. Getting of awareness of innovative methodology.
- CO3. Significant conclusions and outputs.
- CO4. Information acquired about research work.
- CO5. Getting of awareness of innovative methodology.
- CO6. Significant conclusions and outputs.
- CO7. Information acquired about research work.

**Project Work**

**1 Compilation of data, typing, binding and submission of dissertation**

**2 Writing of research paper**

**3 Power point presentation based on project work**



## M. Sc. II (Botany) SYLLABUS (CBCS)

**Class: M.Sc. (Semester- IV)**

**Paper Code: PSBT 246**

**Paper: VI**

**Title of Paper: Research Projects and Summer Training**

**Credits: 4**

**No. of lectures: 60**

### **Content:**

#### **Credit - 1 and 2: Research Project**

**(30L)**

Projects will be allotted in third semester and students will submit project work having Introduction, review of literature, well defined material and methods, results and discussion, conclusions and references. The project should be presented at the end of fourth semester.

#### **Credit – 3 and 4: Summer Training**

**(30L)**

Report submission based on one summer training in research institutes Laboratory/ industry for at least one month with certificate from respective authority.



**M.Sc. II Analytical Chemistry  
(2022 Pattern)  
Choice Based Credit System Structure and Syllabus  
(To be implemented from June 2022)**

**PSCHA-246: Project work (4 Credit)**

1. To provide students with an opportunity to apply the knowledge and skills acquired during their academic coursework to real-world research.
2. To foster independent research capabilities and critical thinking.
3. To enable students to explore and contribute to a specific area of study.
4. To develop effective research, presentation, and scientific writing skills.

**Course Outcomes:**

1. Apply Academic Knowledge: Apply the theoretical and practical knowledge acquired during their academic coursework to real-world research in the chosen area of study.
2. Demonstrate Research Skills: Demonstrate the ability to plan, conduct, and manage independent research, including experimental work, data collection, and analysis.
3. Critical Thinking: Develop and employ critical thinking skills to evaluate and solve problems encountered during the research process.
4. Contribute to Knowledge: Contribute to the existing body of knowledge in their chosen area of study by conducting original research and making meaningful findings.
5. Effective Communication: Effectively communicate their research methods, results, and conclusions in both written and oral forms, as demonstrated in the presentation of a concise dissertation.

**This is mandatory for every student to undertake the project work on selected area of study under the guidance of project coordinator. Student must carry out entire experimental work within the stipulated time and present it briefly in the form of the dissertation at the time evaluations.**



**SYLLABUS (CBCS) FOR T.Y.B.Sc. (Computer Science) (Semester-VI)  
(w.e.f. from Academic Year 2021-2022)**

**Class: T.Y.B.Sc. (Computer Science) (Sem-VI)**

**Paper Code: CSC03609**

**Title of Paper: Lab. Course – III: Based on CSC03604 and Mini Project Using PHP**

<b>Assignment No.</b>	<b>Title</b>
1.	Assignment on web techniques
2.	Assignment on web techniques
3.	Assignment on web techniques
4.	Assignment on web techniques
5.	Assignment on JSON with PHP
6.	Assignment on JSON with PHP
7.	Assignment on AJAX
8.	Assignment on AJAX
9.	Assignment on AJAX
10.	Assignment on Intermediate JavaScript
11.	Assignment on Intermediate JavaScript
12.	Assignment on Intermediate JavaScript
13.	Assignment on Intermediate JavaScript
14.	Assignment on Collaborative Platform



**M.Sc. (Computer Science)-II**  
**Semester – IV**  
**Syllabus (2022 Pattern)**  
**w.e.f. A.Y.2023-24**

**PSCS241: Industrial Training (Internship)/ Institutional Project (IT) -- 16 Credits**

**Teaching Scheme: 4 hours/week**

The Industrial Training /Institutional project is equivalent to 4 theory courses of 4 credits each. Marks per 4 credits = 100. The total weightage for Industrial/Institutional training is 400 marks.

**Workload: 1. One mentor (Project Guide) to be assigned for 10 students.**  
**2. 4 hours /week to be allotted for 10 students**

**Guidelines:**

Each student must individually complete minimum 4/5 months full time Industrial training / Institutional project in the 4th semester.

College should assign a student mentor to every student. The mentor will monitor the progress of the student throughout the semester for continuous assessment.

Student should submit a valid offer letter and synopsis within two weeks of starting the internship.

There will be continuous assessment of the work done by the student during the internship period.

Continuous assessment guidelines:

1. Student should submit a weekly report in the college to the mentor.
2. The report should contain the following details:  
Name of student, project title, company name, company mentor, daily activities and results/output, proposed work for next week.
3. The weekly report should be duly signed by the student and company mentor/ institute Guide.
4. Student Mentor should maintain weekly attendance record for every student.
5. Two presentations should be conducted for each student (first presentation after first month and second presentation after 3rd month)
6. Student Mentor should take feedback from the Company mentor regarding overall performance of the student.

At the end of the internship period, each student should prepare a report which should conform to international academic standards. The report should follow the style in academic journals and books, with contents such as: Abstract, background, aim, design and implementation, testing, conclusion and full references, Tables and figures should be numbered and referenced to in the report.

**Examination and Evaluation guidelines:**

The project done during internship period will be evaluated in the following manner:

IA - 100 marks + EA-300 marks.

The final presentation and documentation will be evaluated by three examiners:

1. Student mentor (appointed by respective college)
2. External examiner (appointed by the college)
3. IT expert (appointed by respective college)

**IA (100 marks)**



<b>Weekly Attendance and Report</b>	<b>Pre-Presentation</b>	<b>Documentation</b>
<b>30</b>	<b>30</b>	<b>40</b>

**EA (300 marks)**

<b>Mentor</b>	<b>IT Expert</b>	<b>External Examiner</b>
<b>100</b>	<b>100</b>	<b>100</b>

**The above evaluation will be converted into GPA (Grade Point Average)**



## T.Y. B.Sc. (Electronic Science)

### ELE3609: Paper IX: Practical Course- III

#### Project Work

**SEMESTER: VI**

**CREDITS: 2**

#### **Guideline to conduct Practical Course III**

Practical Course III is a project work of 100 Marks.

- Internal project Examination (Out of 40)
- Semester project Examination (Out of 60)

The project work should be followed with following guidelines.

- a) The name and subject of the project type must be well defined.
- b) Planning of the work must be specified.
- c) Theoretical, reference work must be provided.
- d) Pilot experimentations / Preparations must be specified.
- e) Typical design aspects, theoretical aspects, aim and objectives of the work must be specified in detail.
- f) The actual work done must be reported along with experimentation procedures.
- g) There must be observations, interpretations, conclusions, results of the project work.
- h) Algorithm, program strategy, module wise description of parts etc be provided in case of projects related with development of computer software.
- i) Applications, usefulness, student's contribution in it must be clearly specified.
- j) Further extension work may be suggested for better outcome of the project.
- k) It is recommended to present the projects in competitions / project exhibitions organized by various authorities.

#### **Note:**

- No of students for practical per batch = 12
- No of students for project per batch = 05
- Study Tour / Industrial visit equivalent to four practicals.



**Department of Environmental Science**  
**T.Y. B.Sc. Sem-VI**  
**AES's T.C.College (Autonomous), Baramati**  
**2019 Pattern**

**Class: T. Y. B. Sc. (Semester - VI)**

**Paper Code: EVS 3609**

**Paper: Practical-III Title of Paper: Project Work**

**Credit: 2**

**A) Learning Objectives:**

- 1) To give information of research work.
- 2) To create awareness about innovative method.
- 3) To find out new conclusions through research.

**B) Course Outcome:**

- 1) Getting of awareness of innovative methodology.
- 2) Students will experience about innovative methodology to solve environmental problems.
- 3) In a specialization domain of his / her choice, student manager will be able to choose an appropriate topic for study and will be able to clearly formulate & state a research problem.
- 4) For a selected research topic, student manager will be able to compile the relevant literature and frame hypotheses for research as applicable.
- 5) For a selected research topic, student manager will be able to plan a research design including the sampling, observational, statistical and operational designs if any.
- 6) For a selected research topic, student manager will be able to compile relevant data, interpret & analyze it and test the hypotheses wherever applicable.
- 7) Based on the analysis and interpretation of the data collected, student manager will be able to arrive at logical conclusions and propose suitable recommendations on the research problem.
- 8) Student manager will be able to create a logically coherent project report and will be able to defend his / her work in front of a panel of examiners

**Project Work**

- 1) Compilation of data, typing, binding and submission of dissertation
- 2) Writing of research paper.
- 3) Power point presentation based on project work.





**SYLLABUS (CBCS) FOR T.Y.B.Sc. Microbiology  
(w. e. from June, 2021)**

**Class: T.Y.B.Sc.**

**Semester: VI**

**Course Type: Practical**

**Course Name: Project**

**Course Code: MICRO3609**

**No. of Credits: 03**

**No. of Lectures :48**

**Credits: 2 Credit**

- The students must complete a project/dissertation work.
- Students may undertake the projects with maximum three to four objectives.
- A group of maximum four students may undertake one project.
- Each group will be supervised by a Guide.
- There will be continuous evaluation of the project during the tenure of semester VI.
- Evaluation will be done at the end of the semester VI for which students must submit a project report.
- Survey reports shall not be considered for this credit.



**SYLLABUS (CBCS) FOR M.Sc. II. Microbiology**  
**(w. e. from June, 2023)**  
**Academic Year 2023-2024**

Class: M. Sc. II (Semester- IV)  
 Paper Code: **PSMB245**  
 Paper: V  
 Title of Paper: Dissertation I  
 Credit: 4  
 No. of lectures: 60

**CONTENTS:**

1. A dissertation can be carried out by a single student or by group of students where the group should not contain more than four students. The dissertation report will be prepared as per the thesis format. Submission of the dissertation report will be at least three days before the date of examination. One copy of the report will be preserved in the department. If there is more than one student carrying out a single dissertation, a single report can be submitted and these students will be assessed based on single oral presentation. In such case, presentation should be carried out by all the students carrying out the same work; dividing the presentation equally among them.
2. At the time of presentation, the external and internal examiners appointed by the university will be present; the dissertation guide may or may not be present.
3. Presentation should be carried out to an audience comprising of examiners appointed by the university, departmental teaching staff and the postgraduate students of the department. Oral presentation can be carried out using posters, blackboard, transparencies, model or LCD projector. The allotted time for each oral presentation (one project) should be 10 to 12 minutes, followed by question-answer session of 5 to 8 minutes. The audience can participate in this session.
4. The assessment of the dissertation I is for total of 100 marks, out of which the end-semester - will be for 60 marks and the in-semester assessment will be for 40 marks.
5. The assessment of in-semester examination will be carried out by the guide who has supervised the work of the candidate(s) throughout the semester. The assessment will be carried out on the basis of the points, as per the accompanied format. Head of the department should communicate this point wise assessment system to the dissertation supervisor (Guide), well in advance. Guide will give appropriate marks, point-wise and submit it in a sealed envelope to the Head of the respective department, three days prior to examination and project presentation. On the day of examination, Head of the department will hand over these unopened envelopes to the examiners.

<b>Points for Evaluation</b>	<b>Max. Marks</b>	<b>Evaluation</b>
Intellectual potential – Understanding of the research problem by the student	4	
Research aptitude –		
1. Depth of literature survey for the proposed work.	4	
2. Inputs of student in development of plans and protocols for the experimentation	8	
3. Ability to analyze data and formulate a solution	4	
4. Analytical and reasoning abilities of the student for interpretation of data, inputs in discussion	6	



Motivation – punctuality, meeting dead-lines and seriousness	2	
Ability to work with others	2	
Maturity of scientific thoughts	2	
Communication skill – oral and written	8	
<b>Total</b>	<b>40</b>	

6. Assessment of end-semester examination will be carried out (i.e., oral presentation) for individual student at the time of examination jointly by internal and external examiners. The assessment will be carried out on the basis of the points as per the accompanied format.

<b>Points for Evaluation</b>	<b>Max. Marks</b>	<b>Evaluation</b>
Proficiency of presentation skills – use of audio-visual aids, preparation of graphs, charts, models, etc., use of scientific language	24	
Quality of the work, results and interpretation, outcome of the study and possible future plans, publication potential of the work	12	
Submission of progress reports, the dissertation report preparation (scientific writing) and its contents	18	
Abilities of satisfactory responses to the queries from the audience	6	
<b>Total</b>	<b>60</b>	

7. Students should be made aware of the assessment parameters, on which they will be assessed at the end of the fourth semester.
8. The external and internal examiners by mutual agreement will appropriately settle the marks given by the guide (reconsider, if necessary) and marks of oral presentation.



## **T.Y.B.Sc. (Physics) (Sem-VI) Physics Project-II (PHY3609)**

**T.Y.B.Sc. Physics**

**PHY 3609: Project -Part II**

**Class: T.Y. B. Sc. Sem: VI Paper IX**

**Credit: 2**

The student will have to perform the project course for both semesters V and VI. The continuous evaluation of the project will be done during each semester. Student must complete 50% project work in semester V and evaluation will be done at the end of semester and credit will be assigned to the students according to their performance

### **Guidelines:**

It is expected that,

1. The student does work equivalent to about 10 laboratory experiments.
2. The project work is a practical course, and it is intended to develop a set of skills pertaining to the laboratory work apart from the cognition of students. Therefore, the guides should not permit projects that involve no contribution on part of student.
3. The project must have a clear and strong link with the principles of basic physics and/or their applications.
4. The theme chosen should be such that it promotes better understanding of physics concepts and brings out the creativity in the students.
5. The evaluation of the project work must give due credit to the amount of the project work done by a student, skills shown by the student, understanding of the physics concepts involved and the presentation of the final report at the time of viva voce.
6. The viva voce should be conducted at the time of evaluation of project work at least for twenty minutes per student. Extra care must be taken in the evaluation of projects done in a pair or group. Delegation of the work done by individuals must be sought from the students in such cases.
7. Any ready-made material used in the report (such as downloaded pages from the web) must be clearly referred to and acknowledged.
8. It is also recommended that a teacher will look after 4 projects at one time.
9. Any non-adherence to this norm should attract a penalty by way of deduction in the marks awarded to a student. It is recommended that the College will provide consumables/contingencies for every project, to the tune of Rs. 750 /- each. (\*If the students paid extra fee other than laboratory fee then college will provide financial assistance for the Project work.)

The Project work shall consist of the following Criteria.

- 1) Working model (Experimental or Concept based simulation/Demonstration Related to Physics).
- 2) Understanding of the project.
- 3) Experimental Details.
- 4) Data collection and Data Analysis.
- 5) Innovation.
- 6) Outcomes/Result.
- 7) Conclusion.



**SYLLABUS(CBCS) FOR T. Y. B. Sc. (Semester- VI) STATISTICS  
(With Effect from Academic Year 2021-2022)**

**Paper Code: STAT-3609**

**Paper: IX**

**Title of Paper: Project**

**Credit: 2 credits**

**Guideline for Project:**

1. For project maximum 5 students are allowed in a group.
2. Project: Equivalent to 10 practical. Statistical techniques have to use for Data Analysis and make report in dissertation form.
3. Students have to prepare project report and have to submit one copy for the assessment to the examiner.
4. Project Evaluation:
  - i) Internal Evaluation: 40 Marks
  - ii) External Evaluation: 60 Marks
5. In order to acquaint the students with applications of statistical methods in various fields such as industries, agricultural sectors, government institutes, etc. at least one Study Tour for T.Y. B.Sc. Statistics students may be arranged.



**SYLLABUS (CBCS) FOR M.Sc. Statistics  
(2022 Pattern)  
(With effect from Academic Year 2023-2024)**

**Name of the Programme: M.Sc. Statistics**

**Program Code: PSST**

**Class: M.Sc. Part – II**

**Semester: IV**

**Course Name: Project**

**Course Code: PSST246**

**No. of Lectures: 60**

**No. of Credits: 4**

**TOPICS/CONTENTS:**

This part of the course consists summary of research articles, data analysis and report in dissertation form.

1. Summary of Research Articles Students are expected to choose her/his own project topic and read some (not less than 5) articles (exact number of articles will be decided by the supervisor) on a selected topic or theme, summarize and write a comprehensive report and present the summary of the articles.
2. Data Analysis Students are expected to analyze data pertaining to certain theme using a variety of statistical tools that they have studied so far.

Note:

1. Students have to prepare project report and have to submit one copy for the assessment.
2. Data analysis project can be done in a group (at the most 3 students).



**SYLLABUS (CBCS) FOR T. Y. B. Sc. ZOOLOGY (w. e. f. June, 2021)**  
**Academic Year 2021 - 2022**

**Class: T.Y. B.Sc. (Semester: VI)**

**Course code: ZOO: 3609**

**Course: IX**

**Title of Course: MINOR RESEARCH PROJECT**

**Credits: 02**

**Research Project: Projects will be allotted to students based on theory Courses of Semester – V & VI.**

**The project course would involve:**

1. Training to students in:
  - a) Literature survey,
  - b) Planning and execution of experimental work,
  - c) Analysis of data and its presentation.
2. Project will start at sixth semester and will be assessed at the end of sixth semester.
3. The experimentation work / surveys for the project work will be equivalent to minimum 10 practicals in the semester.



## **SYLLABUS (CBCS) FOR M. Sc. ZOOLOGY Sem. IV (w. e. f. June, 2023)**

**Name of the Program: M.Sc. Zoology**

**Program Code: PSZO**

**Class: M. Sc. II Semester: IV**

**Course Name: Research Project**

**Course Code: PSZO 246**

**Number of Credits: 04**

**Number of Hours: 60**

### **RESEARCH PROJECT**

The project course would involve:

1. Training to students in:

- a) Literature survey,
- b) Planning and execution of experimental work,
- c) Analysis of data and its presentation.

Studies would utilize few of the practicals from their course more intensively for this course. Project should start at fourth semester and will be assessed at the end of fourth semester.

The experimentation work during the project should be equivalent to minimum 20 practicals in the semester.



  
Principal  
Tuljaram Chaturchand College  
Baramati